

IN THE UNITED STATES DISTRICT COURT  
FOR THE DISTRICT OF DELAWARE

TQ DELTA, LLC,	Plaintiff,	Civil Action No. 14-cv-954-RGA
v.		
ADTRAN, INC.	Defendant.	
ADTRAN, INC,	Plaintiff,	Civil Action No. 15-cv-121-RGA
v.		
TQ DELTA, LLC.	Defendant.	

~~[PROPOSED]~~ CLAIM CONSTRUCTION ORDER FOR  
FAMILY 10 PATENT

The Court has determined that the terms below shall be given the following meaning for U.S. Patent No. 8,625,660 (“the 660 patent”):

1. **“a [first / second] plurality of carriers using a [first / second] Signal to Noise Ratio (SNR) margin”** – “a [first / second] plurality of carriers having a [first / second] Signal to Noise Ratio (SNR) margin assigned to that plurality of carriers”
2. **“carriers”<sup>1</sup>** – “signals that can be modulated to carry data”
3. **“multicarrier”** – “having multiple carrier signals that are combined to produce a transmission signal”
4. **“Signal to Noise Ratio (SNR) margin”** – “a parameter used in determining the number of bits allocated to each of a plurality of carriers, where the value of the parameter specifies an

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<sup>1</sup> The parties agree that they will not argue that this claim term requires the initial creation of unmodulated time-domain signals that are subsequently modified to carry data.

extra SNR requirement assigned per carrier in addition to the SNR required to maintain a specified bit error rate (BER) for the communication link at a specified bit allocation”

5. **“transceiver”** – “communications device capable of transmitting and receiving data wherein the transmitter portion and receiver portion share at least some common circuitry”

6. **“value for an increase in noise”** – no separate construction required.

7. **“wherein the [first / second] SNR margin specifies a [first / second] value for an increase in noise associated with the [first / second] plurality of carriers”** – plain and ordinary meaning.

IT IS SO ORDERED this 8 day of May, 2018.



Richard G. Andrews, United States District Judge